

## ABSTRACT OF THE DISCLOSURE

A personal golfing assistant system is comprised of software running on a PDA attached directly or remotely to a GPS receiver that enables the user to survey and/or electronically capture geophysical golf data. A handheld device connected to or  
5 integrated with a GPS receiver can instead be used. Software allows a golfer to use a handheld PDA/GPS unit during the course of play to mark a ball location automatically and/or determine the distance to golf course targets and/or objects, and to analyze golf related data and generate statistics. The system can send a set of parameters tailored for a specific course to a real time tunable GPS to adjust for optimal performance and can  
10 adjust measurements to compensate for environmental condition changes. The system provides an improved graphical method for measuring and displaying distances between a golfer and a golf course object, for displaying multiple measured distances along a line of sight between a golfer and a golf object or target, and for orienting a target or object on a display to coincide with a user's line of sight. There is also provided a method for  
15 collecting and uploading golf course geographic information services (GIS) data to an internet accessible server, processing the uploaded data, distributing data upon an authorized user request, and downloading the requested data to an electronic device.

20

CHI99 4175187-1.059392.0010